

Panasonic[®]

Operating Instructions

Digital Cordless Phone

Model No. **KX-TG8511BX**
KX-TG8519BX



SMS

Before initial use, see “Getting Started” on page 8.

Thank you for purchasing a Panasonic product.

Please read these operating instructions before using the unit and save them for future reference.

This unit is compatible with Caller ID and SMS. You must subscribe to the appropriate service offered by your service provider/telephone company.

**Please access our online customer survey:
<http://panasonic.net/pcc/tel/q>**

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Introduction

Model composition

Series	Model No.	Base unit	Handset	
		Part No.	Part No.	Quantity
KX-TG8511 series	KX-TG8511	KX-TG8511	KX-TGA850	1
	KX-TG8519	KX-TG8519	KX-TGA851	1

- The suffix (BX) in the following model numbers will be omitted in these instructions:
KX-TG8511BX/KX-TG8519BX

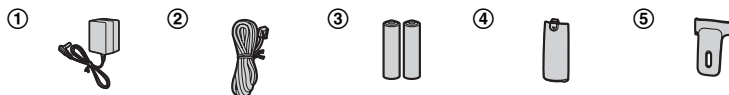
Accessory information

Supplied accessories

No.	Accessory item/Part number	Quantity
①	AC adaptor/PQLV219BX	1
②	Telephone line cord	1
③	Rechargeable batteries ^{*1} /HHR-55AAAB or N4DHYYY00001	2
④	Handset cover ^{*2}	1
⑤	Belt clip	1

*1 See page 4 for replacement battery information.

*2 The handset cover comes attached to the handset.



Introduction

Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

Accessory item	Model number
Rechargeable batteries	HHR-4DPA or HHR-4MRT* ¹
	Battery type: – Nickel metal hydride (Ni-MH) – 2 x AAA (R03) size for each handset
Headset	KX-TCA89, RP-TCA400, RP-TCA430
DECT repeater	KX-A272

*1 Replacement batteries may have a different capacity from that of the supplied batteries.

Important Information

For your safety

To prevent severe injury and loss of life/property, read this section carefully before using the product to ensure proper and safe operation of your product.

WARNING

Power connection

- Use only the power source marked on the product.
- Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
- Completely insert the AC adaptor/power plug into the power outlet. Failure to do so may cause electric shock and/or excessive heat resulting in a fire.
- Regularly remove any dust, etc. from the AC adaptor/power plug by pulling it from the power outlet, then wiping with a dry cloth. Accumulated dust may cause an insulation defect from moisture, etc. resulting in a fire.
- Unplug the product from power outlets if it emits smoke, an abnormal smell, or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact an authorised service centre.
- Unplug from power outlets and never touch the inside of the product if its casing has been broken open.
- Never touch the plug with wet hands. Danger of electric shock exists.

Installation

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Do not place or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident.
- Do not allow the AC adaptor or telephone line cord to be excessively pulled, bent or placed under heavy objects.

Operating safeguards

- Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners.
- Do not disassemble the product.
- Do not spill liquids (detergents, cleansers, etc.) onto the telephone line cord plug, or allow it to become wet at all. This may cause a fire. If the telephone line cord plug becomes wet, immediately pull it from the telephone wall jack, and do not use.

Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. (The product operates in the frequency range of 1.88 GHz to 1.90 GHz, and the RF transmission power is 250 mW (max..))
- Do not use the product in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

CAUTION

Installation and location

- Never install telephone wiring during an electrical storm.
- Never install telephone line jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.
- This product is unable to make calls when:
 - the handset batteries need recharging or have failed.
 - there is a power failure.
 - the key lock feature is turned on.

Important Information

Battery

- We recommend using the batteries noted on page 4. **USE ONLY rechargeable Ni-MH batteries AAA (R03) size.**
- Do not mix old and new batteries.
- Do not open or mutilate the batteries. Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin. The electrolyte is toxic and may be harmful if swallowed.
- Exercise care when handling the batteries. Do not allow conductive materials such as rings, bracelets, or keys to touch the batteries, otherwise a short circuit may cause the batteries and/or the conductive material to overheat and cause burns.
- Charge the batteries provided with or identified for use with this product only, in accordance with the instructions and limitations specified in this manual.
- Only use a compatible base unit (or charger) to charge the batteries. Do not tamper with the base unit (or charger). Failure to follow these instructions may cause the batteries to swell or explode.

Important safety instructions

When using your product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS

For best performance

Base unit location/avoiding noise

The base unit and other compatible Panasonic units use radio waves to communicate with each other.

- For maximum coverage and noise-free communications, place your base unit:
 - at a convenient, high, and central location with no obstructions between the handset and base unit in an indoor environment.
 - away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones.
 - facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the base unit on a bay window or near a window.)
- Coverage and voice quality depends on the local environmental conditions.
- If the reception for a base unit location is not satisfactory, move the base unit to another location for better reception.

Environment

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.
- The product should be kept away from heat sources such as radiators, cookers, etc. It should not be placed in rooms where the temperature is less than 0 °C or greater than 40 °C. Damp basements should also be avoided.
- The maximum calling distance may be shortened when the product is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc.

Important Information

- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

Routine care

- **Wipe the outer surface of the product with a soft moist cloth.**
- Do not use benzine, thinner, or any abrasive powder.

Other information

Notice for product disposal, transfer, or return

- This product can store your private/confidential information. To protect your privacy/confidentiality, we recommend that you erase information such as phonebook or caller list entries from the memory before you dispose of, transfer, or return the product.

Information on Disposal in other Countries outside the European Union



These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

Specifications

- **Standard:**
DECT (Digital Enhanced Cordless Telecommunications),
GAP (Generic Access Profile)
- **Frequency range:**
1.88 GHz to 1.90 GHz
- **RF transmission power:**
Approx. 10 mW (average power per channel)

- **Power source:**
100–240 V AC, 50/60 Hz
- **Power consumption:**
Base unit:
Standby: Approx. 0.45 W
Maximum: Approx. 3.8 W
- **Operating conditions:**
0 °C–40 °C, 20 %–80 % relative air humidity (dry)

Note:

- Design and specifications are subject to change without notice.
- The illustrations in these instructions may vary slightly from the actual product.
- The range of the handset under maximum conditions is 60 metres indoors and 300 metres outdoors. Please note it will probably be shortened when near concrete barriers, etc.

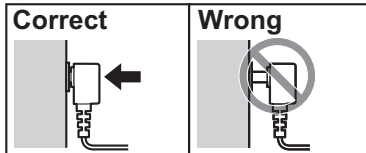
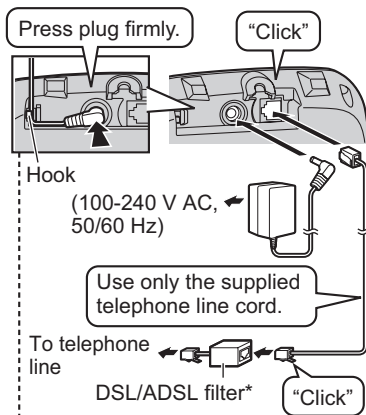
Getting Started

Setting up

Connections

- Use only the supplied Panasonic AC adaptor PQLV219BX.

■ Base unit

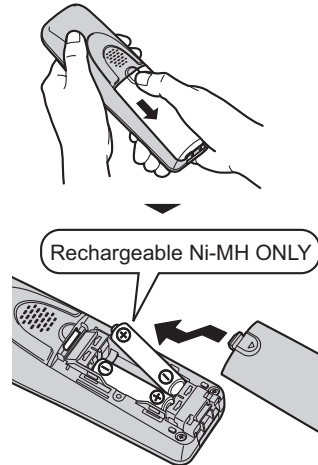


*DSL/ADSL filter (not supplied) is required if you have DSL/ADSL service.

Battery installation

- USE ONLY Ni-MH batteries AAA (R03) size.
- Do NOT use Alkaline/Manganese/Ni-Cd batteries.

- Confirm correct polarities (⊕, ⊖).



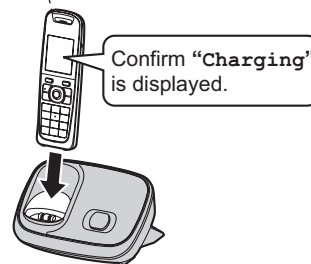
- When the language selection is displayed, see page 12.

Battery charge

Charge for about 7 hours.

- When the batteries are fully charged, the charge indicator goes off and "Fully charged" is displayed.

Charge indicator



Getting Started**Note when setting up****Note for connections**

- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.

During a power failure

The unit will not work during a power failure. We recommend connecting a corded-type telephone (without AC adaptor) to the same telephone line or to the same telephone line jack using a T-adaptor.





Note for battery installation

- Use the supplied rechargeable batteries. For replacement, we recommend using the Panasonic rechargeable batteries noted on page 4, 6.
- Wipe the battery ends (⊕, ⊖) with a dry cloth.
- Avoid touching the battery ends (⊕, ⊖) or the unit contacts.

Note for battery charge

- It is normal for the handset to feel warm during charging.
- Clean the charge contacts of the handset, base unit, and charger with a soft and dry cloth once a month. Clean more often if the unit is exposed to grease, dust, or high humidity.

Battery level

Icon	Battery level
	High
	Medium
	Low
	Needs charging.

Panasonic Ni-MH battery performance (supplied batteries)

Operation	Operating time
In continuous use	8 hours max.
Not in use (standby)	250 hours max.

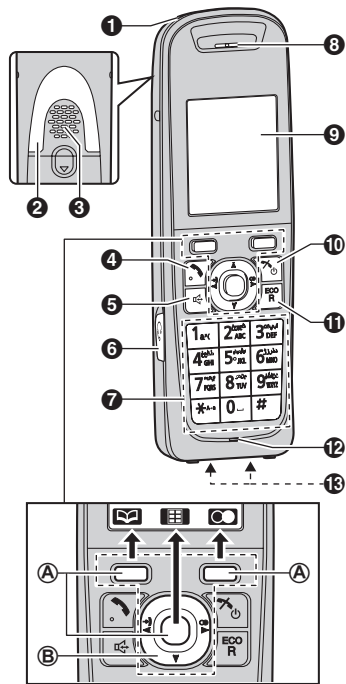
Note:

- It is normal for batteries not to reach full capacity at the initial charge. Maximum battery performance is reached after a few complete cycles of charge/discharge (use).
- Actual battery performance depends on usage and ambient environment.
- Even after the handset is fully charged, the handset can be left on the base unit or charger without any ill effect on the batteries.
- The battery level may not be displayed correctly after you replace the batteries. In this case, place the handset on the base unit or charger and let it charge for at least 7 hours.

Getting Started

Controls

Handset



- 1 Charge indicator**
Ringer indicator
- 2 Secure grip**
 - Secure grip offers support when you cradle the handset between your shoulder and ear.
- 3 Speaker**
- 4 [↵] (Talk)**
- 5 [☎] (Speakerphone)**
- 6 Headset jack**
- 7 Dial keypad**
- 8 Receiver**
- 9 Display**
- 10 [⏻] (Off/Power)**

- 11 [ECO/R]**
ECO: Eco mode shortcut key
R: Recall/Flash

- 12 Microphone**
- 13 Charge contacts**

Control type

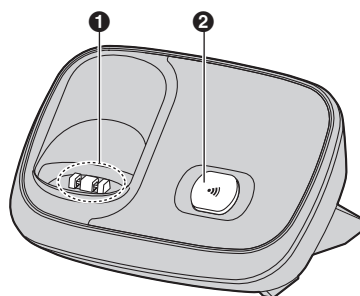
A Soft keys

The handset features 2 soft keys and the centre of the navigator key. By pressing a soft key or the centre of the navigator key, you can select the feature shown directly above it on the display.

B Navigator key

- [▲], [▼], [◀], or [▶]: Scroll through various lists and items.
- [▲] or [▼]: Adjust the receiver or speaker volume while talking.
- [◀] (→): Caller list: View the caller list.
- [▶] (←): Redial: View the redial list.
- As all multiple items cannot be displayed on screen at the same time, you can quickly search the desired item to move screens by pressing [▶] or [◀], instead of scrolling down or up line by line (page 14).

Base unit



- 1 Charge contacts**
- 2 [📍] (Locator)**

Getting Started

Display

Handset display items

Item	Meaning
	Range status; the more bars visible, the closer the handset is to the base unit.
	Out of base unit range
	Paging
	Speakerphone is on. (page 15)
	The line is in use. <ul style="list-style-type: none"> • When flashing slowly: The call is put on hold. • When flashing rapidly: An incoming call is now being received.
	Missed call* ¹ (page 31)
	The base unit transmission power is set to "Low". (page 13)
	The key backlight is off. (page 24)
	Battery level
	Alarm is on. (page 26)
	Privacy mode is on.* ² (page 24)
	Ringer volume is off. (page 25)
	Night mode is on. (page 27)
	Blocked call* ¹ (page 28, 32)
	New SMS message received.* ³ (page 34)

Item	Meaning
	New voice mail message received.* ⁴ (page 36)

- *1 Caller ID subscribers only
- *2 For models with 2 or more handsets included.
- *3 SMS users only
- *4 Voice mail subscribers only

Soft key icons

Icon	Action
	Returns to the previous screen or outside call.
	Displays the menu.
	Accepts the current selection.
	Displays a previously dialed phone number.
	Makes a call. (page 15)
	Temporarily turns off the ringer for incoming calls. (page 16)
	Places a call on hold.* ¹
	Opens the phonebook.
	Allows you to edit phone numbers. (page 28, 32)
	Adds new entry. (page 18, 28)
	Displays the phonebook search menu.
	Turns the key lock feature off. (page 17)
	Selects a character entry mode.
	Selects categories or handset. (page 27, 29)
	Stores phone numbers. (page 28, 32)

Getting Started

Icon	Action
	Inserts a dialling pause.
	Erases the selected item or returns to the outside call.
	Switches display mode between single item and multiple items. (page 14)
	Allows you to make an intercom call.*1
	Establishes a conference call.*1
	Erases a number/character.
	Puts the call on mute.

*1 For models with 2 or more handsets included.

Handset main menu icons

The following icons are shown when you press down on the centre of the navigator key in standby mode.

Icon	Feature
	Caller List
	Time Settings
	SMS (Short Message Service)
	Intercom*1
	Ringer Setup
	Initial Setup

*1 For models with 2 or more handsets included.

Screen saver mode

The backlight goes dark when on a call or turns off completely after 1 minute of inactivity if the handset is not on the base unit or charger.

Activate the handset display again by:

- pressing [◀] or [▶] when on a call.
- pressing [📞] at all other times.

Turning the power on/off

Power on

Press [📞] for about 1 second.

Power off

Press [📞] for about 2 seconds.

Initial settings

Symbol meaning:

Example: [▼]/[▲]: “off”

Press [▼] or [▲] to select the words in quotations.

Display language

Important:

- When the language selection is displayed after installing the batteries for the first time, perform step 2.

3 display languages are available. You can select “English”, “العربية”, or “فارسی”.


- 1 (centre of navigator key) → [#][1][1][0]
- 2 [▼]/[▲]: Select your desired language. → OK → [📞]

Getting Started**Dialling mode**


If you cannot make calls, change this setting according to your telephone line service. The default setting is "Tone".

"Tone": For tone dial service.

"Pulse": For rotary/pulse dial service.

- 1  (centre of navigator key) → **#[1][2][0]**
- 2 **[v]/[▲]**: Select the desired setting.
→ **OK** → **[↶⓪]**

Date and time

- 1  (centre of navigator key) → **#[1][0][1]**
- 2 Enter the current date, month, and year. → **OK**
Example: 15 July, 2010
[1][5][0][7][1][0]
- 3 Enter the current hour and minute.
Example: 15:30
[1][5][3][0]
- 4 **OK** → **[↶⓪]**

Note:

- When you select Arabic or Persian as the display language, enter the current year, month, and date.
- To correct a digit, press **[←]** or **[→]** to move the cursor to the digit, then make the correction.
- The date and time may be incorrect after a power failure. In this case, set the date and time again.

One touch eco mode

The **[ECO/R]** button on the handset enables you to activate the eco function with one touch.

By activating eco mode, your unit can reduce the base unit transmission power by up to 90% in standby mode.

You can turn on/off one touch eco mode by just pressing **[ECO/R]**. The default setting is "Normal".

- When the one touch eco mode is on: "Low" is temporarily displayed and **ECO** is shown on the handset display instead of **Y**.
- When the one touch eco mode is off: "Normal" is temporarily displayed and **ECO** goes off from the handset display.

Note:

- When there is another cordless phone nearby and it is in use, the base unit transmission power may not be reduced.
- Activating one touch eco mode reduces the range of the base unit in standby mode.
- If you set the repeater mode to "On" (page 30):
 - One touch eco mode is cancelled.
 - "Eco Setup" is not shown in the display menu (page 22).

Getting Started

Display mode

You can select to display either a single item or multiple items on one screen at a time for the following features:


- handset main menu icons in function menu
- menu list, phonebook list, caller list, and redial list

Select the desired setting:


- **"Multi Items"**: Multiple entries/all menu icons are shown on one screen at a time.
- **"Single Item"**: An entry/a menu icon is shown on one screen in large characters at a time.

The default setting is **"Multi Items"**.


Using soft key (Temporarily switching the display mode)

You can temporarily switch the display mode by pressing  shown when viewing the lists or selecting menu icons.

Programming the display mode beforehand

- 1  (centre of navigator key) → **#[1][9][2]**
- 2 **[v]/[^]**: Select the desired setting.
→ **OK** → **[*][0]**

Note:

- When in multiple items display mode, you can move screens by pressing **[>]** or **[<]**, without scrolling down or up through the list:
 - Press **[>]** to go to the next screen.
 - Press **[<]** to return to the previous screen.
- When in multiple items display mode, you can switch the screen to confirm the detailed information by pressing .

Making/Answering Calls

Making calls

- 1 Lift the handset and dial the phone number.
 - To correct a digit, press **C**.
- 2 Press **[↶]** or **[↷]**.
- 3 When you finish talking, press **[⏏]** or place the handset on the base unit or charger.

Using the speakerphone

- 1 Dial the phone number and press **[☎]**.
 - Speak alternately with the other party.
- 2 When you finish talking, press **[⏏]**.

Note:

- For best performance, use the speakerphone in a quiet environment.
- To switch back to the receiver, press **[↶]**.

Adjusting the receiver or speaker volume

Press **[▲]** or **[▼]** repeatedly while talking.

Making a call using the redial list

The last 10 phone numbers dialed are stored in the redial list (each 24 digits max.).

- 1 **[☎]** (right soft key) or **[▶]** (**☎**)
- 2 **[▼]/[▲]**: Select the desired phone number.
- 3 **[↶]/[☎]**
 - If **[☎]** is pressed and the other party's line is engaged, the unit automatically redials multiple times. While the handset is waiting to redial, the ringer

indicator flashes. To cancel, press **[⏏]**.

Erasing a number in the redial list

- 1 **[☎]** (right soft key) or **[▶]** (**☎**)
- 2 **[▼]/[▲]**: Select the desired phone number. → **[X]**
- 3 **[▼]/[▲]**: "Yes" → **OK** → **[⏏]**

Pause (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service. When storing a calling card access number and/or PIN in the phonebook, a pause is also needed (page 19).

Example: If you need to dial the line access number "0" when making outside calls with a PBX:

- 1 **[0]** → **P**
- 2 Dial the phone number. → **[↶]**

Note:

- A 3 second pause is inserted each time **P** is pressed. Repeat as needed to create longer pauses.

Answering calls

When a call is being received, the ringer indicator flashes rapidly.

- 1 Lift the handset and press **[↶]** or **[☎]** when the unit rings.
 - You can also answer the call by pressing any dial key from **[0]** to **[9]**, **[*]**, or **[#]**. (**Any key answer feature**)
- 2 When you finish talking, press **[⏏]** or place the handset on the base unit or charger.

Making/Answering Calls

Auto talk

You can answer calls simply by lifting the handset off the base unit or charger. You do not need to press [⏏]. To turn this feature on, see page 24.

Adjusting the handset ringer volume

Press [▲] or [▼] repeatedly to select the desired volume while the handset is ringing for an incoming call.

Note:

- You can also program the handset ringer volume beforehand (page 23).

Temporary handset ringer off

While the handset is ringing for a call, you can turn the ringer off temporarily by pressing [🔕].

Handset locator

You can locate a misplaced handset by pressing [📶] on the base unit.

- All registered handsets beep for 1 minute.

To stop paging, press it again or [🔕] on the handset.

Useful features during a call

Hold

This feature allows you to put an outside call on hold.

- 1 Press [📞] during an outside call.
- 2 [▼]/[▲]: "Hold" → OK
- 3 To release hold, press [⏏].

Note:

- If a call is kept on hold for more than 9 minutes, an alarm tone starts to sound and the ringer indicator flashes rapidly. After 1 additional minute on hold, the call is disconnected.
- If another phone is connected to the same line (page 9), you can also take the call by lifting its handset.

Mute

While mute is turned on, you can hear the other party, but the other party cannot hear you.

- 1 Press [🔇] during conversation.
 - [🔇] flashes.
- 2 To return to the conversation, press [🔇] again.

Recall/flash

[ECO/R] allows you to use the special features of your host PBX such as transferring an extension call, or accessing optional telephone services.

Note:

- To change the recall/flash time, see page 24.

For call waiting or Call Waiting Caller ID service users

To use call waiting, you must first subscribe to call waiting from your service provider/telephone company. This feature allows you to receive calls while you are already talking on the phone. If you receive a call while on the phone, you will hear a call waiting tone. **If you subscribe to both Caller ID and Call Waiting with Caller ID services**, the 2nd caller's information is displayed after you hear the call waiting tone on the handset.

Making/Answering Calls

1 Press **[ECO/R]** to answer the 2nd call.

2 To switch between calls, press **[ECO/R]**.

Note:

- Please contact your service provider/telephone company for details and availability of this service in your area.

Temporary tone dialling (for rotary/pulse service users)

You can temporarily switch the dialling mode to tone when you need to access touch-tone services (for example, telephone banking services).

1 Make a call.


2 Press **[*]** when prompted to enter your code or PIN, then press the appropriate dial keys.



Note:

- The dialling mode will return to pulse when you hang up.

Key lock

The handset can be locked so that no calls or settings can be made. Incoming calls can be answered, but all other functions are disabled while key lock is on.

To turn key lock on, press **[** for about 3 seconds.

- **[** is displayed.
- To turn key lock off, press **[** for about 3 seconds.

Note:



- Calls to emergency numbers cannot be made until key lock is turned off.

Phonebook

Handset phonebook

The phonebook allows you to make calls without having to dial manually. You can add 200 names and phone numbers, assign each phonebook entry to the desired category.



Adding entries

- 1  (left soft key) → 
- 2 Enter the party's name (16 characters max.). → **OK**
 - You can change the character entry mode by pressing **1/A/?** (page 37).
- 3 Enter the party's phone number (24 digits max.). → **OK**
- 4 **[v]/[Δ]**: Select the desired category. → **OK** 2 times
 - To add other entries, repeat from step 2.
- 5 **[*]/[0]**

Categories

Categories can help you find entries in the phonebook quickly and easily. When adding an entry to the phonebook, you can assign it to one of 9 categories. You can change the names of categories assigned for phonebook entries ("Friends", "Family", etc.) and then search for phonebook entries by category. Additional category features are available for Caller ID subscribers (page 31).


Changing category names

- 1  (left soft key) → 
- 2 **[v]/[Δ]**: "Category" → **OK**
- 3 **[v]/[Δ]**: Select the desired category. → **OK**


- 4 **[v]/[Δ]**: "Category Name" → **OK**
- 5 Edit the name (10 characters max.; page 37). → **OK** → **[*]/[0]**

Finding and calling a phonebook entry



Scrolling through all entries

- 1  (left soft key)
- 2 **[v]/[Δ]**: Select the desired entry.
 - You can scroll through the phonebook entry by pressing and holding **[v]** or **[Δ]**.
- 3 **[↶]**

Searching by first character

- 1  (left soft key)
 - Change the character entry mode if necessary:
 - [0]** → **[v]/[Δ]**: "Character Set" → **OK** → **[v]/[Δ]**: Select the character entry mode. → **OK**
- 2 Press the dial key (**[0]** to **[9]**, or **[#]**) which contains the character you are searching for (page 37).
 - Press the same dial key repeatedly to display the first entry corresponding to each character located on that dial key.
 - If there is no entry corresponding to the character you selected, the next entry is displayed.
- 3 **[v]/[Δ]**: Scroll through the phonebook if necessary.
- 4 **[↶]**

Searching by category

- 1  (left soft key) → 
- 2 **[v]/[Δ]**: "Category" → **OK**

Phonebook

- 3 **[▼]/[▲]**: Select the desired category. → **OK**
 - If you select "All", the unit ends the category search.
- 4 **[▼]/[▲]**: Scroll through the phonebook if necessary.
- 5 **[↶]**

Editing entries

- 1 Find the desired entry (page 18). → **⏏**
- 2 **[▼]/[▲]**: "Edit" → **OK**
- 3 Edit the name if necessary (16 characters max.; page 37). → **OK**
- 4 Edit the phone number if necessary (24 digits max.). → **OK**
- 5 **[▼]/[▲]**: Select the desired category. → **OK** 2 times → **[↶]**

Erasing entries

Erasing an entry

- 1 Find the desired entry (page 18).
- 2 **[X]** → **[▼]/[▲]**: "Yes" → **OK** → **[↶]**

Erasing all entries

- 1 **[⏏]** (left soft key) → **⏏**
- 2 **[▼]/[▲]**: "Erase All" → **OK**
- 3 **[▼]/[▲]**: "Yes" → **OK**
- 4 **[▼]/[▲]**: "Yes" → **OK** → **[↶]**

Speed dial

Assigning an entry in the phonebook to a speed dial key

Dial keys **[1]** to **[9]** can each be used as a speed dial key, allowing you to dial a number from the phonebook by simply pressing a dial key.

- 1 Find the desired entry (page 18). → **⏏**
- 2 **[▼]/[▲]**: "Speed Dial" → **OK**
- 3 **[▼]/[▲]**: Select the desired dial key number. → **OK**
 - Where a dial key is already being used for speed dialing, "✓" is displayed next to the dial key number. If you select this dial key, you can overwrite the previous assignment.
- 4 **OK** → **[↶]**

Making a call using a speed dial key

- 1 Press and hold the desired speed dial key (**[1]** to **[9]**).
 - You can view other speed dial assignments by pressing **[▼]** or **[▲]**.
- 2 **[↶]**

Cancelling a speed dial assignment

- 1 Press and hold the desired speed dial key (**[1]** to **[9]**). → **[X]**
- 2 **[▼]/[▲]**: "Yes" → **OK** → **[↶]**

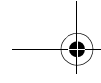
Chain dial

This feature allows you to dial phone numbers in the phonebook while you are on a call. This feature can be used, for example, to dial a calling card access number or bank account PIN that you have stored in the phonebook, without having to dial manually.

- 1 During an outside call, press **⏏**.
- 2 **[▼]/[▲]**: "Phonebook" → **OK**
- 3 **[▼]/[▲]**: Select the desired entry.
- 4 Press **[↶]** to dial the number.

Note:

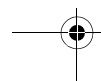
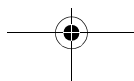
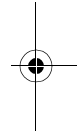
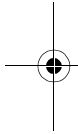
- When storing a calling card access number and your PIN in the phonebook as one phonebook entry,



Phonebook

press **P** to add pauses after the number and PIN as necessary (page 15).

- If you have rotary/pulse service, you need to press **[*]** before pressing **[E]** in step 1 to change the dialling mode temporarily to tone. When adding entries to the phonebook, we recommend adding **[*]** to the beginning of phone numbers you wish to chain dial (page 18).




Programmable settings

You can customise the unit by programming the following features using the handset.

To access the features, there are 2 methods:






- scrolling through the display menus (page 21)
- using the direct commands (page 23)
- Direct command is the main method used in these operating instructions.

Programming by scrolling through the display menus

- 1  (centre of navigator key)
- 2 Press [▼], [▲], [▶], or [◀] to select the desired main menu. → **OK**
- 3 Press [▼] or [▲] to select the desired item in sub-menu 1. → **OK**
 - In some cases, you may need to select from sub-menu 2. → **OK**
- 4 Press [▼] or [▲] to select the desired setting. → **OK**
 - This step may vary depending on the feature being programmed.
 - To exit the operation, press [**⏏**].

Note:

- See page 23 for the default settings.



Main menu	Sub-menu 1	Sub-menu 2	Page	
Caller List 	-	-	32	
Time Settings 	Set Date/Time	-	13	
	Memo Alarm	-	26	
	Time Adjustment	-	-	
SMS 	Receive List	-	35	
	Send List	-	34	
	Create	-	33	
	Settings	Message Centre1		33
		Message Centre2		33
		PBX Access #		35
SMS On/Off			33	
Intercom*1 	-	-	-	
Ringer Setup 	Ringer Volume	-	-	
	Ringtone	-	-	

Programming

Main menu	Sub-menu 1	Sub-menu 2	Page
Ringer Setup 🎵	Night Mode	On/Off	26
		Start/End	27
		Ring Delay	27
		Select Category	27
Initial Setup 🔧	Ringer Setup	Ringer Volume	-
		Ringtone	-
		Night Mode	26
		- On/Off	
	- Start/End		
	- Ring Delay		
	- Select Category		
	Time Settings	Set Date/Time	13
		Memo Alarm	26
		Time Adjustment	-
	Handset Name	-	27
	Caller Barred	-	28
	Eco Setup	Transmission Power	13
	Display Setup	Wallpaper	-
		Display Colour	-
		Display Mode	14
		Key Backlight	-
		LCD in charging	-
		Contrast	-
	Keytones	-	-
	Area Code	-	27
	Call Restrict	-	28
	Auto Talk	-	16
	Line Setup	Dial Mode	13
		Recall/Flash	16
	Privacy Mode ^{*1}	-	-
	Base Unit PIN	-	28
Repeater Mode	-	30	
Register	Register H.set	29	
Select Base	-	29	
Language	Display	12	

*1 For models with 2 or more handsets included.

Programming**Programming using the direct commands**

- 1  (centre of navigator key) → [#]
- 2 Enter the desired code.
- 3 Select the desired setting. → **OK**
 - This step may vary depending on the feature being programmed.
 - To exit the operation, press .

Note:

- In the following table, < > indicates the default settings.

Feature	Code	Setting	Page
Caller List	[2][1][3]	–	32
Set Date/Time	[1][0][1]	–	13
Memo Alarm	[7][2][0]	[1]: Alarm1 [2]: Alarm2 [3]: Alarm3	26
Time Adjustment ^{*1}	[2][2][6]	[1]: Caller ID [0]: <Manual>	–
Intercom ^{*2}	[2][7][4]	–	–
Ringer Volume ^{*3} (Handset)	[1][6][0]	[1]–[6]: Level 1–6 <6> [0]: Off	–
Ringtone ^{*4, *5} (Handset)	[1][6][1]	<Ringtone 1>	–
Night Mode (On/Off)	[2][3][8]	[1]: On [0]: <Off>	26
Night Mode (Start/End)	[2][3][7]	<23:00/06:00>	27
Night Mode (Ring Delay)	[2][3][9]	[1]: 30 sec. [2]: <60 sec.> [3]: 90 sec. [4]: 120 sec. [0]: No Ringing	27
Night Mode (Select Category)	[2][4][1]	[1]–[9]: Category 1–9	27
Handset Name	[1][0][4]	–	27
Caller Barred	[2][1][7]	–	28
Transmission Power	[7][2][5]	[1]: <Normal> [2]: Low	13
Wallpaper ^{*6}	[1][8][1]	<Wallpaper1>	–
Display Colour	[1][8][2]	[1]–[5]: Colour1–5 <Colour1>	–
Display Mode	[1][9][2]	[1]: <Multi Items> [0]: Single Item	14

Programming

Feature	Code	Setting	Page
Key Backlight	[2][7][6]	[1]: <On> [0]: Off	-
LCD in charging ^{*7} (LCD backlight)	[1][9][1]	[1]: <On> [0]: Off	-
Contrast (Display contrast)	[1][4][5]	[1]-[6]: Contrast 1-6 <Contrast 3>	-
Keytones ^{*8}	[1][6][5]	[1]: <On> [0]: Off	-
Area Code	[2][5][5]	-	27
Call Restrict	[2][5][6]	-	28
Auto Talk ^{*9}	[2][0][0]	[1]: On [0]: <Off>	16
Dial Mode	[1][2][0]	[1]: Pulse [2]: <Tone>	13
Recall/Flash ^{*10}	[1][2][1]	[0]: 900 msec. [1]: 700 msec. [2]: <600 msec.> [3]: 400 msec. [4]: 300 msec. [5]: 250 msec. [*]: 200 msec. [#]: 160 msec. [6]: 110 msec. [7]: 100 msec. [8]: 90 msec. [9]: 80 msec.	16
Privacy Mode ^{*2, *11}	[1][9][4]	[1]: On [0]: <Off>	-
Base Unit PIN	[1][3][2]	<0000>	28
Repeater Mode	[1][3][8]	[1]: On [0]: <Off>	30
Register H.set	[1][3][0]	-	29
Cancel Register	[1][3][1]	-	30
Select Base	[1][3][7]	<Auto>	29
Display (Change language)	[1][1][0]	<English>	12

For the SMS feature

Feature	Code	Setting	Page
SMS	[3][5][0]	-	33
Message Centre1	[3][5][1]	-	33
Message Centre2	[3][5][2]	-	33
PBX Access #	[3][5][6]	<Off>	35
SMS On/Off	[3][5][7]	<Off>	33

Programming

- *1 This feature allows the unit to automatically adjust the date and time each time caller information including date and time is received.
To turn this feature on, select “**Caller ID**”. To turn this feature off, select “**Manual**”. (Caller ID subscribers only)
To use this feature, set the date and time first (page 13).
- *2 For models with 2 or more handsets included.
- *3 When the ringer volume is turned off, μ is displayed and the handset does not ring for outside calls.
However even when the ringer volume is set to off, the handset still rings for memo alarm (page 26) and paging (page 16).
- *4 If you select one of the melody ringer tones, the ringer tone continues to play for several seconds even if the caller has already hung up. You may either hear a dial tone or no one on the line when you answer the call.
- *5 The preset melodies in this product are used with permission of © 2009 Copyrights Vision Inc.
- *6 You can set the wallpaper to display with or without date and time. The default setting is with date and time displayed.
- *7 You can set the handset display backlight while on charge.
 - “**on**”: Backlight is on (dimmed).
 - “**off**”: Backlight turns off after 10 seconds of charging.
- *8 Turn this feature off if you prefer not to hear key tones while you are dialling or pressing any keys, including confirmation tones and error tones.
- *9 If you subscribe to a Caller ID service and want to view the caller’s information after lifting up the handset to answer a call, turn off this feature.
- *10 The recall/flash time depends on your telephone exchange or host PBX. Contact your PBX supplier if necessary.
- *11 To prevent other users from joining your conversations with outside callers, turn this feature on.

Programming

Special programming

Memo alarm

An alarm sounds at the set time for 3 minutes. A text memo can also be displayed for the alarm.
 A total of 3 separate alarm times can be programmed for each handset.
 You can set one of 2 different alarm options (once or daily) for each alarm time.

Important:

- Set the date and time beforehand (page 13).

- 1 **[M]** (centre of navigator key) → **#[7][2][0]**
- 2 Select an alarm (1 to 3). → **OK**
- 3 **[v]/[▲]**: Select the desired alarm option. → **OK**

<p>"Off" Turns alarm off. Go to step 8.</p>
<p>"Once" An alarm sounds once at the set time.</p>
<p>"Daily" An alarm sounds daily at the set time. Go to step 5.</p>

- 4 Enter the desired date and month. → **OK**
- 5 Set the desired time. → **OK**
- 6 Enter a text memo (29 characters max.; page 37). → **OK**
- 7 **[v]/[▲]**: Select the desired alarm tone. → **OK**
 - We recommend selecting a different ringer tone from the one used for outside calls.
- 8 **OK** → **[*][0]**

- When the alarm is set, **☎** is displayed.

Note:

- When you select Arabic or Persian as the display language, enter the desired month and date.
- To stop the alarm, press any dial key or place the handset on the base unit or charger.
- When the handset is in use, the alarm will not sound until the handset is in standby mode.

Night mode

Night mode allows you to select a period of time during which the handset will not ring for outside calls. This feature is useful for time periods when you do not want to be disturbed, for example, while sleeping.

Using the phonebook's category feature (page 18), you can also select categories of callers whose calls override night mode and ring the handset (Caller ID subscribers only).

Important:

- Set the date and time beforehand (page 13).
- If you have set the alarm, the alarm sounds even if the night mode is turned on.

Turning night mode on/off


- 1 **[M]** (centre of navigator key) → **#[2][3][8]**
- 2 **[v]/[▲]**: Select the desired setting. → **OK**
 - If you select "Off", press **[*][0]** to exit.
- 3 Enter the desired hour and minute you wish to start this feature. → **OK**

Programming

- 4 Enter the desired hour and minute you wish to end this feature. →

OK

- 5 **[*][0]**

- When the night mode is set,  is displayed.

Note:

- To correct a digit, press **[←]** or **[→]** to move the cursor to the digit, then make the correction.

Changing the start and end time

- 1 **[≡]** (centre of navigator key) → **#[2][3][7]**
- 2 Continue from step 3, "Turning night mode on/off", page 26.

Setting the ring delay

This setting allows the handset to ring during night mode if the caller waits long enough. After the selected amount of time passes, the handset rings. If you select "No Ringing", the handset never rings during night mode.

- 1 **[≡]** (centre of navigator key) → **#[2][3][9]**
- 2 **[↓]/[↑]**: Select the desired setting. → **OK** → **[*][0]**

Selecting categories to bypass night mode

- 1 **[≡]** (centre of navigator key) → **#[2][4][1]**
- 2 **[↓]/[↑]**: Select your desired categories. →
 - "✓" is displayed next to the selected category numbers.
 - To cancel a selected category, press again. "✓" disappears.
- 3 **OK** → **[*][0]**

Note:

- You can also select the categories in step 2 as follows:

Press **[1]** to **[9]**. → **OK**

Changing the handset name

Each handset can be given a customised name ("Bob", "Kitchen", etc.). You can also select whether or not the handset name is displayed in standby mode. The default setting is "Off". If you select "On" without entering any handset name, "Handset 1" to "Handset 6" is displayed.

- 1 **[≡]** (centre of navigator key) → **#[1][0][4]**
- 2 Enter the desired name (max. 10 characters; page 37).
 - If not required, go to step 3.
- 3 **OK**
- 4 **[↓]/[↑]**: Select the desired setting. → **OK** 2 times
- 5 **[*][0]**

Storing an area code to be deleted automatically

In some situations, phone numbers stored automatically in the caller list (page 32) will include area codes. If you do not want to dial the area code when making calls from the caller list, you can store the area code which you want the unit to delete automatically.

Example: You have stored the area code "123". If you make a call from the caller list to the phone number "123-456-7890", the unit dials "456-7890".

- 1 **[≡]** (centre of navigator key) → **#[2][5][5]**
- 2 Enter an area code (5 digits max.). → **OK** → **[*][0]**

Programming

Incoming call barring (Caller ID subscribers only)

This feature allows the unit to reject calls from specified phone numbers that you do not want to answer such as junk calls. When a call is received, the unit does not ring while the caller is being identified. If the phone number matches an entry in the call barred list, the unit sends out a busy tone to the caller, and then disconnects the call.

Important:

- When the unit receives a call from a number that is stored in the call barred list, the call is logged in the caller list (page 32) with **X** after the call is disconnected.

Storing unwanted callers

You can store up to 30 phone numbers in the call barred list by using the caller list or by entering the numbers directly.

Important:

- You must store the phone number with an area code in the call barred list.

■ From the caller list:

- 1 **[←] (→)**
- 2 **[▼]/[▲]**: Select the entry to be barred. → **OK** → **[☞]**
- 3 **[▼]/[▲]**: “Caller Barred” → **OK**
- 4 **[▼]/[▲]**: “Yes” → **OK** → **[☞]**

■ By entering phone numbers:

- 1 **[☞]** (centre of navigator key) → **[#][2][1][7]** → **[☞]**
- 2 Enter the phone number (24 digits max.). → **OK**
 - To erase a digit, press **[C]**.
- 3 **[☞]**

Viewing/editing/erasing bar call numbers

- 1 **[☞]** (centre of navigator key) → **[#][2][1][7]**
- 2 **[▼]/[▲]**: Select the desired entry.
 - To exit, press **[☞]**.
- 3 **To edit a number:**
[☞] → Edit the phone number.
 → **OK** → **[☞]**
To erase a number:
[X] → **[▼]/[▲]**: “Yes” → **OK**
 → **[☞]**

Note:

- When editing, press the desired dial key to add, **[C]** to erase.

Changing the base unit PIN (Personal Identification Number)

Important:

- If you change the PIN, please make note of your new PIN. The unit will not reveal the PIN to you. If you forget your PIN, contact an authorised service centre.









- 1 **[☞]** (centre of navigator key) → **[#][1][3][2]**
- 2 Enter the current 4-digit base unit PIN (default: “0000”).
- 3 Enter the new 4-digit base unit PIN.
 → **OK** → **[☞]**

Setting call restriction


You can restrict the handset from dialling certain numbers. You can assign up to 6 phone numbers to be restricted. Storing area codes here prevents the restricted handset from dialling any phone number in that area code.

- 1 **[☞]** (centre of navigator key) → **[#][2][5][6]**

Programming

- 2 Enter the base unit PIN (default: "0000").
 - If you forget your PIN, contact an authorised service centre.
- 3 
 - Handset registered to the base unit is displayed.
 - "✓" is displayed next to the handset number.
 - To cancel the handset, press  again. "✓" disappears.
- 4 
- 5 : Select a memory location. → 
- 6 Enter the phone number or area code to be restricted (8 digits max.). →  → 
 - To erase a restricted number, press .

Note:

- You can also select a memory location in step 5 as follows:
Press [1] to [6]. → 

Registering a unit


Operating additional units








Additional base units
Handsets can be registered to up to 4 base units, allowing you to add additional base units and extend the area in which your handset(s) can be used. If a handset moves out of range of its base unit when "Auto" is selected on base unit (page 29), it looks for another base unit to make or receive calls. A base unit and the handsets it communicates with is called a "radio cell".

Note:

- Calls are disconnected when the handset moves from one radio cell to another.

Registering a handset to a base unit

The supplied handset and base unit are pre-registered. If for some reason the handset is not registered to the base unit (for example,  is displayed even when the handset is near the base unit), re-register the handset.

- 1 **Handset:**
 (centre of navigator key) → [1][3][0]
- 2 : Select a base unit number. → 
 - This number is used by the handset as a reference only.
- 3 **Base unit:**
Press and hold  for about 5 seconds. (No registration tone)
 - If all registered handsets start ringing, press the same button to stop. Then repeat this step.
 - The next step must be completed within 90 seconds.
- 4 **Handset:**
Wait until "Base PIN" is displayed. → Enter the base unit PIN (default: "0000"). → 
 - If you forget your PIN, contact an authorised service centre.
 - When the handset has been registered successfully,  is displayed.

Selecting a base unit

When "Auto" is selected, the handset automatically uses any available base unit it is registered to. When a specific base unit is selected, the handset makes and receives calls using that base unit

Programming

only. If the handset is out of range of that base unit, no calls can be made.

- 1 **[M]** (centre of navigator key) → **#[1][3][7]**
- 2 **[v]/[▲]**: Select the desired base unit number, or "Auto". → **OK**
 - The handset starts searching for the base unit.

Deregistering a handset

A handset can cancel its own registration that is stored to the base unit. This allows the handset to end its wireless connection with the system.

- 1 **[M]** (centre of navigator key) → **#[1][3][1]**
- 2 **[v]/[▲]**: Select the handset you want to cancel. → **OK**
- 3 **[v]/[▲]**: "Yes" → **OK**
 - A confirmation tone sounds.
 - The handset does not beep when cancelling its own registration.

4 **[*][0]**

Cancelling a base unit

A handset can cancel a base unit that it is registered to. This allows the base unit to end its wireless connection with the system.

- 1 **[M]** (centre of navigator key) → **#[1][3][9]**
- 2 **[v]/[▲]**: Select the base unit you want to cancel. → **OK**
- 3 **[v]/[▲]**: "Yes" → **OK** → **[*][0]**

Note:

- To register a handset to another base unit or to the same base unit again, see page 29.

Increasing the range of the base unit

You can increase the signal range of the base unit by using a DECT repeater.

Please use only the Panasonic DECT repeater noted on page 4. Contact your Panasonic dealer for details.

Important:

- Before registering the repeater to this base unit, you must turn the repeater mode on.
- Do not use more than one repeater at a time.

Setting the repeater mode

- 1 **[M]** (centre of navigator key) → **#[1][3][8]**
- 2 **[v]/[▲]**: Select the desired setting. → **OK** → **[*][0]**

Note:

- After turning the repeater mode on or off, **Y** is displayed on the handset momentarily. This is normal and the handset can be used once **Y** is displayed.

Caller ID Service

Using Caller ID service

Important:

- This unit is Caller ID compatible. To use Caller ID features, you must subscribe to a Caller ID service. Contact your service provider/telephone company for details.

Caller ID features

When an outside call is being received, the caller's phone number is displayed. Caller information for the last 50 callers is logged in the caller list from the most recent call to the oldest.

- If the unit cannot receive caller information, the following is displayed:
 - **“Out of Area”**: The caller dials from an area which does not provide a Caller ID service.
 - **“Private Caller”**: The caller requests not to send caller information.
- If the unit is connected to a PBX system, caller information may not be properly received. Contact your PBX supplier.

Missed calls

If a call is not answered, the unit treats it as a missed call and **↔** is displayed. This lets you know if you should view the caller list to see who called while you were away.

Even if only one missed call in the caller list is viewed (page 32), **↔** disappears from the display. When you receive another new call, **↔** is displayed again.

Note:

- Even when there are unviewed missed calls, **↔** disappears from the standby display if the following operation is performed by one of the registered handsets:

- Being replaced on the base unit or charger.
- Pressing [**↔**].

Phonebook name display

When caller information is received and it matches a phone number stored in the phonebook, the stored name in the phonebook is displayed and logged in the caller list.

Category settings for phonebook

Category settings can help you identify who is calling by using different ringer tones and display colours for different categories of callers. When adding an entry to the phonebook, you can assign it to the desired category (page 18).

When a call is received from a caller assigned to a category, the category's display colour and ringer tone you selected are used.

Changing category ringer tones

If you select **“Default Ringer”**, the unit uses the ringer tone you selected on page 23 when calls from this category are received. The default setting is **“Default Ringer”**.

- 1 **[↔]** (left soft key) → **[☰]**
- 2 **[↓]/[↑]**: **“Category”** → **OK**
- 3 **[↓]/[↑]**: Select the desired category. → **OK**
- 4 **[↓]/[↑]**: Select the current setting of the category ringer tone. → **OK**
- 5 **[↓]/[↑]**: Select the desired ringer tone. → **OK**
- 6 **[↔]**

Changing category display colours

If you select **“Default Colour”**, the unit uses the display colour you selected on page 23 when calls from this category

Caller ID Service

are received. The default setting is "Default Colour".

- 1 (left soft key) →
- 2 **[▼]/[▲]**: "Category" → **OK**
- 3 **[▼]/[▲]**: Select the desired category. → **OK**
- 4 **[▼]/[▲]**: Select the current setting of the category colour. → **OK**
- 5 **[▼]/[▲]**: Select the desired colour. → **OK**
- 6 **[*]#0**

Caller list

Important:

- Make sure the unit's date and time setting is correct (page 13).

Viewing the caller list and calling back

- 1 **[←] (→)**
- 2 Press **[▼]** to search from the most recent call, or press **[▲]** to search from the oldest call.
 - You can see the detailed information about the caller by pressing when in multiple display mode.
- 3 To call back, press **[↶]**. To exit, press **[*]#0**.

Note:

- If the entry has already been viewed or answered, "✓" is displayed.
- If the call matches an entry in the call barred list, the number is logged with (page 28).
- If you do not want to dial the area code when making calls from the caller list, you can store the area code which you want the unit to delete automatically (page 27).

Editing a caller's phone number before calling back

- 1 **[←] (→)**
- 2 **[▼]/[▲]**: Select the desired entry. → **OK**
 - You can see the detailed information about the caller by pressing when in multiple display mode.
- 3 → Edit the number.
 - Press dial key (**[0]** to **[9]**) to add, **[C]** to delete.
- 4 **[↶]**

Erasing selected caller information

- 1 **[←] (→)**
- 2 **[▼]/[▲]**: Select the desired entry.
- 3 **[X]** → **[▼]/[▲]**: "yes" → **OK** → **[*]#0**

Erasing all caller information

- 1 **[←] (→)**
- 2 **[X]** → **[▼]/[▲]**: "yes" → **OK** → **[*]#0**

Storing caller information to the phonebook

- 1 **[←] (→)**
- 2 **[▼]/[▲]**: Select the desired entry. → **OK** →
- 3 **[▼]/[▲]**: "Phonebook" → **OK**
- 4 To store the name, continue from step 2, "Adding entries", page 18.

SMS (Short Message Service)

Using SMS

SMS allows you to send and receive text messages between other fixed-line and mobile phones that support compatible SMS networks and features.

Important:

- To use SMS features, you must:
 - subscribe to a Caller ID and/or an appropriate service such as SMS.
 - confirm that SMS is turned on.
 - confirm that the correct message centre numbers are stored.


Contact your service provider/telephone company for details and availability.

Note:

- A total of 47 messages (at 160 characters/message) can be saved. Total number may be more than 47 if length of messages is less than 160 characters/message.
- If the unit is connected to a PBX system, you may not be able to use SMS features.

Turning SMS on/off



The default setting is "Off".

- 1  (centre of navigator key) → **[#][3][5][7]**
- 2 **[v]/[Δ]**: Select the desired setting. → **OK** → **[*][0]**

Storing SMS message centre numbers

SMS message centre numbers must be stored in order to send and receive SMS messages.

Contact your service provider/telephone company for more information.



- 1 To store "Message Centre1":
 (centre of navigator key) → **[#][3][5][1]**
 To store "Message Centre2":
 (centre of navigator key) → **[#][3][5][2]**
- 2 Edit the number as necessary. → **OK** → **[*][0]**

Note:

- For PBX users:
 - You need to add the PBX line access number and a dialling pause to the beginning of the Message Centre 1 number.
 - If you only use the Message Centre 1 number for SMS, store the Message Centre 1 number as is (without adding a line access number or dialling pause) to Message Centre 2.

Sending a message

Writing and sending a new message

- 1  (centre of navigator key) →  → **OK**
- 2 **[v]/[Δ]**: "Create" → **OK**
 - If "Use Last Text?" is displayed, you can use the text

SMS (Short Message Service)

from the last message you created by pressing [▲].

- 3 Enter a message. → **OK**
 - You can change the character entry mode by pressing **1/A/?** (page 37).
- 4 Enter the destination phone number (20 digits max.). → **OK**

To use the redial list:
[▶] (●) → **[▼]/[▲]**: Select the phone number. → **OK** 2 times

To use the caller list:
[◀] (→) → **[▼]/[▲]**: Select the party. → **OK** 2 times

To use the phonebook:
[☞] → **[▼]/[▲]**: Select the phonebook entry. → **OK** 2 times
- 5 To save the message, select “Yes”. → **OK**
- 6 To send the message, press **OK**.
 - To cancel sending, press **[↵]**.

Note:

- This unit supports SMS messages of up to 612 characters, however, the maximum number of characters you can send or receive may be limited by your SMS service provider/telephone company. Contact your SMS service provider/telephone company for details.
- If your message contains over 160 characters, the message is a long message and “**Long Text**” is displayed. Your service provider/telephone company may treat long messages differently from other messages. Contact your service provider/telephone company for details.
- If your phone is connected to a PBX, store the PBX line access number (page 35).

Editing/sending a saved message

- 1 **[☞]** (centre of navigator key) → **[☒]** → **OK**
- 2 **[▼]/[▲]**: “Send List” → **OK**
- 3 To read a saved message, press **[▼]** or **[▲]** to select the message. → **OK**
- 4 **To edit the message:**
[☞] → **[▼]/[▲]**: “Edit Message” → **OK** → Continue from step 3, “Writing and sending a new message”, page 33.
To send the message:
[☞] → **[▼]/[▲]**: “Send” → **OK** → Press and hold **C** to erase all numbers. → Continue from step 4, “Writing and sending a new message”, page 33.

Erasing saved messages

- 1 **[☞]** (centre of navigator key) → **[☒]** → **OK**
- 2 **[▼]/[▲]**: “Send List” → **OK**
- 3 **[▼]/[▲]**: Select a message. → **OK**
- 4 **[☞]** → **[▼]/[▲]**: “Erase” → **OK**
 - To erase all messages, select “Erase All”. → **OK**
- 5 **[▼]/[▲]**: “Yes” → **OK** → **[↵]**

Receiving a message

When an SMS message is received:

- “Receiving SMS Message” is displayed.
- a tone is heard (if the handset ringer is turned on).
- **[☒]** is displayed with the total number of new (unread) SMS messages.

SMS (Short Message Service)

Reading a received message

- 1 **[F5]** (centre of navigator key) →
[M] → **OK**
- 2 **[v]/[A]**: "Receive List" → **OK**
- 3 **[v]/[A]**: Select a message.
 - Messages which have already been read are indicated by a "✓".
 - To erase a message, press **X**. → **[v]/[A]**: "Yes" → **OK**
- 4 Press **OK** to read the message content.

Note:

- To call the message sender, press **[↶]**.

Replying to a message

- 1 While reading a received message, press **[F5]**.
- 2 **[v]/[A]**: "Reply" → **OK**
- 3 Enter a message (page 37). → **OK**
- 4 Edit the destination phone number if necessary. → **OK**
- 5 Continue from step 5, "Writing and sending a new message", page 33.

Editing/forwarding a message

- 1 While reading a received message, press **[F5]**.
- 2 **[v]/[A]**: "Edit Message" → **OK**
- 3 Continue from step 3, "Writing and sending a new message", page 33.

Erasing received messages

- 1 While reading a received message, press **[F5]**.
- 2 **[v]/[A]**: "Erase" → **OK**
 - To erase all messages, select "Erase All". → **OK**

- 3 **[v]/[A]**: "Yes" → **OK** → **[↶]**

Storing the sender's number in the phonebook

- 1 While reading a received message, press **[F5]**.
- 2 **[v]/[A]**: "Add Phonebook" → **OK**
- 3 To store the name, continue from step 2, "Adding entries", page 18.

Editing the sender's number before calling back

- 1 While reading a received message, press **[F5]**.
- 2 **[v]/[A]**: "Edit & Call" → **OK**
- 3 Edit the number. → **[↶]**

Other settings

Storing the PBX line access number (for PBX users only)

Store your PBX line access number (4 digits max.) so that SMS messages are sent properly. When sending SMS messages to entries in the phonebook or redial list, the PBX line access number is deleted. The default setting is "Off".

- 1 **[F5]** (centre of navigator key) → **[#][3][5][6]**
- 2 **[v]/[A]**: "On" → **OK**
- 3 Enter your PBX line access code and a dialling pause, if necessary. → **OK** → **[↶]**




Voice Mail Service

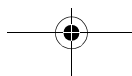
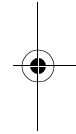
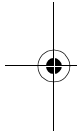


Voice mail service

Voice mail is an automatic answering service offered by your service provider/telephone company. After you subscribe to this service, your service provider/telephone company's voice mail system answers calls for you when you are unavailable to answer the phone or when your line is busy. Messages are recorded by your service provider/telephone company, not your telephone. When you have new messages,  is displayed on the handset if message indication service is available. Please contact your service provider/telephone company for details of this service.

Important:

- If  still remains on the display even after you have listened to new messages, turn it off by pressing and holding **[#]** for 2 seconds.



Useful Information

Character entry

The dial keys are used to enter characters and numbers. Each dial key has multiple characters assigned to it. The characters that can be entered depend on the character entry mode (page 37).

- Press [◀] or [▶] to move the cursor left or right.
- Press dial keys to enter characters and numbers.
- Press **C** to erase the character or number highlighted by the cursor. Press and hold **C** to erase all characters or numbers.
- Press **[*]** (A→a) to switch between uppercase and lowercase.
- If you do not press any dial key within 5 seconds after entering a character, the character is fixed and the cursor moves to the next space.
- When entering another character located on the same dial key, operation will differ depending on the display language you select.

English

- Press [▶] to move the cursor to the next space, then press the appropriate dial key.

Arabic/Persian

- Press [◀] to move the cursor to the next space, then press the appropriate dial key.

Character entry modes

The available character entry modes are Alphabet (ABC), Numeric (0-9), Arabic/Persian (أبج) and Extended (AÄÅ). For SMS messages, Alphabet (ABC), Numeric (0-9), Greek (ΑΒΓ), and Extended (AÄÅ) modes are available. When in these entry modes except Numeric, you can select which character is entered by pressing a dial key repeatedly.

When the unit displays the character entry screen:

1/A/? → [▼]/[▲]: Select a character entry mode. → **OK**

Note:

- ◻ in the following tables represents a single space.
- The dial keys with *1, *2, and *3 in the following tables have different character assignment for SMS. See the footnotes with *1, *2, and *3.
- When you select Arabic or Persian as the display language, numbers in the character table are displayed in Arabic or Persian.

Alphabet character table (ABC)

0 ◻	1 &*1	2 ABC	3 DEF	4 GHI	5 JKL	6 MNO	7 PQRS	8 TUV	9 WXYZ	#
◻ 0	◻ & ' () * , - . / 1	A B C	D E F	G H I	J K L	M N O	P Q R	T U V	W X Y #	
		2	3	4	5	6	S 7	8	Z 9	
		a b c	d e f	g h i	j k l	m n o	p q r s	t u v	w x y	
		2	3	4	5	6	7	8	z 9	

Useful Information

Numeric entry table (0-9)

0	1	2	3	4	5	6	7	8	9	#
---	---	---	---	---	---	---	---	---	---	---

Arabic character table (أبج) (Not available for SMS)

- When you select Arabic as the display language, Arabic character table is available.

0	1	2	3	4	5	6	7	8	9	#
٠	١	٢	٣	٤	٥	٦	٧	٨	٩	#

Persian character table (أبج) (Not available for SMS)

- When you select Persian as the display language, Persian character table is available.

0	1	2	3	4	5	6	7	8	9	#
٠	١	٢	٣	٤	٥	٦	٧	٨	٩	#

Extended character table (AÄÄ)

0	1	2	3	4	5	6	7	8	9	#
0	' & ' , * , - . / 1	A Ä Å	D E È	G Æ H	J K L	M N Ñ	P Q R	T U Û	W X Y Z	#
		À Á Â	É Ê Ë	Ï Ñ Ò	5	O Ò Ó	S Ş ß	Ú Û Ü	Ý Þ ß	
		Ã Ä Å	È É Ê	Ë Ì Í		Ö Ö Ö	7	Û Ü Ü	8	
		Ä Å	Ë Ê	Ï Ñ		ø 6		8		
		a à á	d e è	g Æ h	j k l	m n ñ	p q r s	t u Û	w X y z	
		â ä å	é ê ë	ï ñ ò	5	o ò ó	Ş ß 7	ú û ü	y ý z	
		ä å	ë ê	ï ñ		ô õ ö	8	ü v 8	9	
		ç 2	ë f 3	ï ñ ò		ø 6				

- The following are used for both uppercase and lowercase: ø Ş W y

Useful Information

Greek character table (ΑΒΓ) (Available for SMS only)

0	1 α'ι	2 αβγ ABC	3 δεζ DEF	4 ηθι ΗΘΙ	5 κλμ ΚΛΜ	6 νξο ΝΞΟ	7 πρσ ΠΡΣ	8 τυφ ΤΥΦ	9 ψω ΨΩ	#
~ 0	~ . @ / : ; * # + - 1 " , ! j ? ζ - € £ \$ ¥ () [] { } & % \ ^ ~ < > = □ §	A B Γ 2	Δ E Z 3	H Θ I 4	K Λ M 5	N Ξ O 6	Π Ρ Σ 7	Τ Υ Φ 8	Χ Ψ Ω 9	#

*1

1 α'ι
~ . @ / : ; * # + - 1 " , ! j ? ζ - € £ \$ ¥ () [] { } & % \ ^ ~ < > = □ §

*2

4 ηθι ΗΘΙ
G Ğ H I İ ı İ İ İ 4 g ğ h i i İ İ İ ı İ 4

*3

9 ψω ΨΩ
W X Y Z 9 w x y z 9

Useful Information

Error messages

If the unit detects a problem, one of the following messages is shown on the display.

Display message	Cause/solution
Base no power or No link to base. Reconnect main base AC adaptor.	<ul style="list-style-type: none"> • The handset has lost communication with the base unit. Move closer to the base unit and try again. • Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again. • The handset's registration may have been cancelled. Re-register the handset (page 29).
Check Phone Line	<ul style="list-style-type: none"> • The supplied telephone line cord has not been connected yet or not connected properly. Check the connections (page 8).
Invalid Number	<ul style="list-style-type: none"> • You tried to send an SMS message to a phone number saved in the phonebook, caller list, or redial list that is over 20 digits long.
Memory Full	<ul style="list-style-type: none"> • The phonebook memory is full. Erase unwanted entries (page 19). • The call barred list memory is full. Erase unwanted entries (page 28). • The maximum number of base units (4) is already registered to the handset. Cancel unused base unit registrations from the handset (page 30).
Use rechargeable battery.	<ul style="list-style-type: none"> • A wrong type of battery such as Alkaline or Manganese was inserted. Use only the rechargeable Ni-MH batteries noted on page 4, 6.
You must first subscribe to Caller ID.	<ul style="list-style-type: none"> • You must subscribe to a Caller ID service. Once you receive caller information after subscribing to a Caller ID service, this message will not be displayed.

Useful Information

Troubleshooting

If you still have difficulties after following the instructions in this section, disconnect the base unit's AC adaptor and turn off the handset, then reconnect the base unit's AC adaptor and turn on the handset.

General use

Problem	Cause/solution
The handset does not turn on even after installing charged batteries.	<ul style="list-style-type: none"> ● Place the handset on the base unit or charger to turn on the handset.
The unit does not work.	<ul style="list-style-type: none"> ● Make sure the batteries are installed correctly (page 8). ● Fully charge the batteries (page 8). ● Check the connections (page 8). ● Unplug the base unit's AC adaptor to reset the unit and turn off the handset. Reconnect the adaptor, turn on the handset and try again. ● The handset has not been registered to the base unit. Register the handset (page 29).
The handset display is blank or dark.	<ul style="list-style-type: none"> ● The handset is in screen saver mode (page 12). Activate the handset display again by: <ul style="list-style-type: none"> – pressing [◀] or [▶] when on a call. – pressing [🔌] at all other times. ● "LCD in charging" is set to "off" while on charge. Change the setting (page 24). ● The handset is not turned on. Turn the power on (page 12).
I cannot hear a dial tone.	<ul style="list-style-type: none"> ● Make sure that you are using the supplied telephone line cord. Your old telephone line cord may have a different wiring configuration. ● The base unit's AC adaptor or telephone line cord is not connected. Check the connections. ● Disconnect the base unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your service provider/telephone company.



Useful Information

Problem	Cause/solution
I cannot use the intercom or phonebook copy feature.	<ul style="list-style-type: none"> These features are shared between the handsets. Although the handset displays “Intercom”, “Copy All”, or “Copy”, these features are not available for this model.

Programmable settings

Problem	Cause/solution
The display is in a language I cannot read.	<ul style="list-style-type: none"> Change the display language (page 12).
While programming, the display returns to standby mode.	<ul style="list-style-type: none"> A call matching an entry in the call barred list is being received. Wait and try again later.
I cannot activate the eco mode.	<ul style="list-style-type: none"> You cannot set eco mode when you set the repeater mode “On”. If required, set the repeater mode to “Off” (page 30).
I cannot register a handset to a base unit.	<ul style="list-style-type: none"> The maximum number of base units (4) is already registered to the handset. Cancel unused base unit registrations from the handset (page 30). The maximum number of handsets (6) is already registered to the base unit. Cancel unused handset registrations from the base unit (page 30). You entered the wrong PIN. If you forget your PIN, contact an authorised service centre.

Battery recharge

Problem	Cause/solution
The handset beeps and/or  flashes.	<ul style="list-style-type: none"> Battery charge is low. Fully charge the batteries (page 8).
I fully charged the batteries, but <ul style="list-style-type: none">  still flashes or the operating time seems to be shorter. 	<ul style="list-style-type: none"> Clean the battery ends (+, -) and the charge contacts with a dry cloth and charge again. It is time to replace the batteries (page 8).
The handset display is blank.	<ul style="list-style-type: none"> The handset is not turned on. Turn the power on (page 12).

Useful Information

Making/answering calls

Problem	Cause/solution
<p>☒ is displayed.</p>	<ul style="list-style-type: none"> ● The handset is too far from the base unit. Move closer. ● The base unit's AC adaptor is not properly connected. Reconnect AC adaptor to the base unit. ● The handset is not registered to the base unit. Register it (page 29). ● Activating one touch eco mode reduces the range of the base unit in standby mode. If required, turn eco mode off (page 13).
<p>Noise is heard, sound cuts in and out.</p>	<ul style="list-style-type: none"> ● You are using the handset or base unit in an area with high electrical interference. Re-position the base unit and use the handset away from sources of interference. ● Move closer to the base unit. ● If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details. ● Unplug the base unit's AC adaptor to reset the unit and turn off the handset. Reconnect the adaptor, turn on the handset and try again.
<p>The handset does not ring.</p>	<ul style="list-style-type: none"> ● The ringer volume is turned off. Adjust ringer volume (page 23). ● Night mode is turned on. Turn it off (page 26).
<p>I cannot make a call.</p>	<ul style="list-style-type: none"> ● The dialling mode may be set incorrectly. Change the setting (page 13). ● The handset is too far from the base unit. Move closer and try again. ● Another unit is in use. Wait and try again later. ● You dialled a call restricted number (page 28). ● The key lock feature is turned on. Turn it off (page 17).

Useful Information

Caller ID

Problem	Cause/solution
Caller information is not displayed.	<ul style="list-style-type: none"> You must subscribe to a Caller ID service. Contact your service provider/telephone company for details. If your unit is connected to any additional telephone equipment, remove and plug the unit directly into the wall jack. If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details. Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again.
Caller information is slow to display.	<ul style="list-style-type: none"> Depending on your service provider/telephone company, the unit may display the caller's information at the 2nd ring or later. Move closer to the base unit.
Time on the unit has shifted.	<ul style="list-style-type: none"> Incorrect time information from incoming Caller ID changes the time. Set the time adjustment to "Manual" (off) (page 23).
The name stored in the phonebook is not fully displayed while an outside call is being received.	<ul style="list-style-type: none"> Edit the phonebook entry name to fit in 1 line of text (page 19).

SMS (Short Message Service)

Problem	Cause/solution
The SMS message centre number is logged in the caller list and the message is not received.	<ul style="list-style-type: none"> Someone tried to send you a message while SMS is turned off. Turn it on (page 33).

Useful Information

Problem	Cause/solution
I cannot send or receive SMS messages.	<ul style="list-style-type: none"> You have not subscribed to the appropriate service. Contact your service provider/telephone company. The SMS message centre number(s) are not stored or are incorrect. Store the correct numbers (page 33). Message transmission was interrupted. Wait until the message has been sent before using other telephone functions. If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details.
“FD” is displayed.	<ul style="list-style-type: none"> The unit could not connect to the SMS message centre. Confirm that the correct SMS message centre numbers are stored. Confirm that SMS is turned on (page 33).
“FE” is displayed.	<ul style="list-style-type: none"> An error occurred while sending the message. Try again.
“E0” is displayed.	<ul style="list-style-type: none"> Your phone number is permanently withheld or you have not subscribed to the appropriate service. Contact your service provider/telephone company.

Liquid damage

Problem	Cause/solution
Liquid or other form of moisture has entered the handset/base unit.	<ul style="list-style-type: none"> Disconnect the AC adaptor and telephone line cord from the base unit. Remove the batteries from the handset and leave to dry for at least 3 days. After the handset/base unit are completely dry, reconnect the AC adaptor and telephone line cord. Insert the batteries and charge fully before use. If the unit does not work properly, contact an authorised service centre.

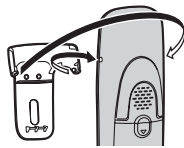
Caution:

- To avoid permanent damage, do not use a microwave oven to speed up the drying process.

Useful Information

Belt clip

■ To attach



■ To remove

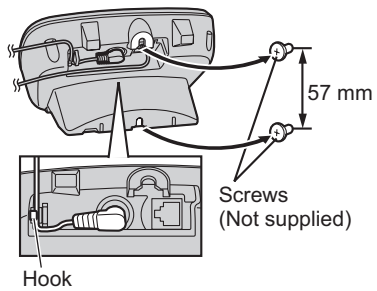


Wall mounting

Note:

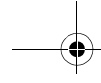
- Make sure that the wall is strong enough to support the weight of the unit.

■ Base unit



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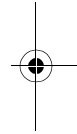
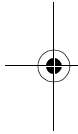


For your future reference

We recommend keeping a record of the following information to assist with any repair under warranty.

Serial No.	Date of purchase
(found on the bottom of the base unit)	
Name and address of dealer	

Attach your purchase receipt here.



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